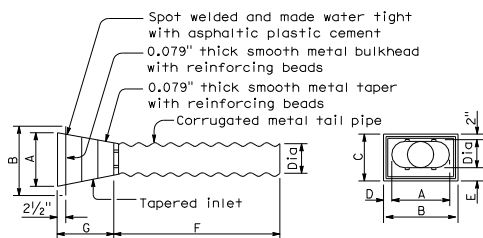


PLAN END VIEW

Bulkhead and taper of same thickness as tail pipe with 0079" maximum. Tail pipe of same thickness as downrain pipe.

ENTRANCE TAPER - TYPE 1
ALTERNATIVE A



PLAN END VIEW

Tail pipe of same thickness as downrain pipe.

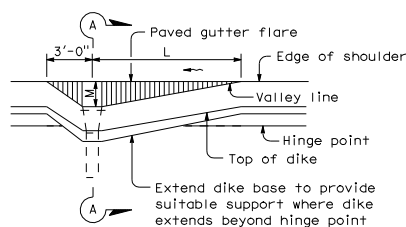
ENTRANCE TAPER - TYPE 1
ALTERNATIVE B

CMP dimensions as tabulated below

| P | 10" | 15" | 18" | 21" | 27" |
|---|-----|-----|-----|-----|-----|
| Q | 8" | 12" | 15" | 18" | 24" |

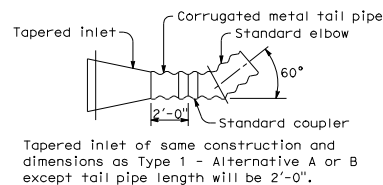
Slip joint to be same thickness as downrain pipe.

| Dia | Min L | M | N |
|-----|--------|-------|-------|
| 8" | 10'-0" | 1'-6" | 8" |
| 12" | 15'-0" | 1'-8" | 1'-0" |
| 15" | 25'-0" | 2'-0" | 1'-3" |
| 18" | 30'-0" | 2'-6" | 1'-4" |
| 24" | 40'-0" | 3'-0" | 1'-6" |



PLAN

MOUNTABLE DIKE TYPE 1



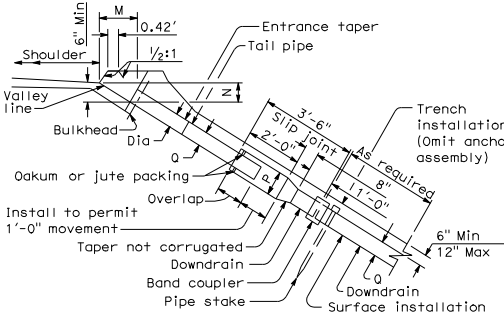
Tapered inlet of same construction and dimensions as Type 1 - Alternative A or B except tail pipe length will be 2'-0".

ENTRANCE TAPER - TYPE 2

Taper joints may be welded or riveted. Dimensions to be as tabulated below for Type 1 Alternatives A and B.

| Dia | A | B | C | D | E | F | G |
|-----|--------|-----------|--------|--------|----|-------|-------|
| 8" | 1'-4" | 2'-1 1/2" | 1'-3" | 4 3/4" | 5" | 6'-0" | 2'-0" |
| 12" | 1'-6" | 2'-1 1/2" | 1'-7" | 3 3/4" | 5" | 6'-0" | 2'-0" |
| 15" | 1'-9" | 2'-6" | 1'-11" | 4 1/2" | 6" | 6'-0" | 2'-0" |
| 18" | 2'-0" | 2'-10" | 2'-3" | 5" | 7" | 6'-0" | 2'-0" |
| 24" | 2'-10" | 3'-10" | 2'-11" | 6" | 9" | 4'-0" | 4'-0" |

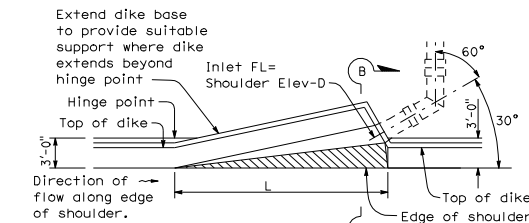
ENTRANCE TAPER - TYPE 1
ALTERNATIVE A AND B



SECTION A-A TYPE 1

NOTES:

1. Cable, slip joint or anchor assembly to be used when specified.
2. Slip joint to be omitted when completely buried.
3. Slip joint for Type 1 entrance taper shown. Type 2 similar.

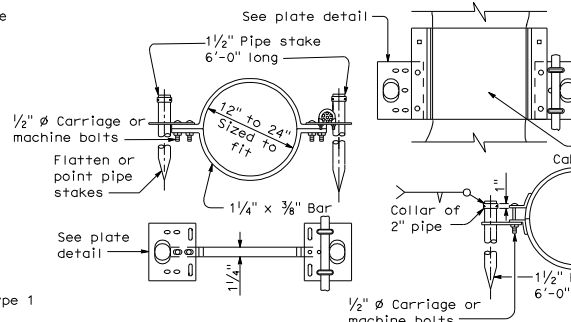


PLAN

MOUNTABLE DIKE TYPE 2

(For use on full freeway sections ONLY with grades of 2% or greater)

ENTRANCE TAPER AND PIPE DOWNRAIN



ALTERNATIVE A
CORRUGATED METAL PIPE DOWNRAIN
ANCHOR ASSEMBLY

Cable and cable clamps to be used when required by the Special Provisions.

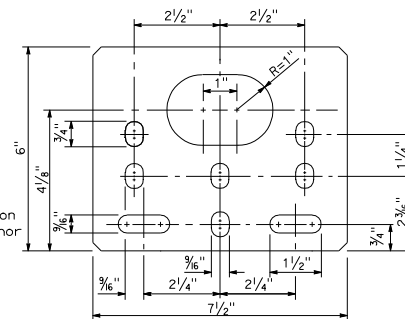
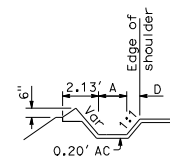


PLATE DETAIL

Material to be 1/4" plate galvanized after fabrication.

| Dia D | Min L |
|-------|-------|
| 8" | 15' |
| 12" | 20' |
| 15" | 30' |
| 18" | 35' |
| 24" | 45' |



SECTION B-B

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
|------|--------|-------|--------------------------|-----------|--------------|

REGISTERED CIVIL ENGINEER

May 1, 2006

PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To get to the Caltrans web site go to <http://www.dot.ca.gov>

12" Annular coupling band
Helical coupling band
Two piece integral flange die formed band for helical corrugated steel pipe

NOTES:

1. All hardware to be galvanized after fabrication. All pipe stakes to be either galvanized after fabrication, or be fabricated from pre-galvanized pipe. If pre-galvanized pipe is used, weld areas shall be cleaned, and painted with zinc-rich primer.
2. Either Alternative A or Alternative B anchor assemblies and pipe stakes may be used at Contractor's option for corrugated steel pipe or corrugated aluminum pipe. Alternative A anchor assembly only to be placed in annular corrugation. Alternative A anchor assembly may be placed on annular coupling band if securely fastened on downstream side of joint. Alternative B anchor assembly to be fastened to pipe sections and not to a band coupler used to join sections.
3. For cable anchorage system details, see Standard Plan D87C.

CORRUGATED METAL PIPE DOWNRAIN DETAILS

NO SCALE

D87A